



Title: METHOD OF PRODUCING PLANTS
HAVING ENHANCED TRANSPIRATION
EFFICIENCY AND PLANTS PRODUCED
THEREFROM
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(Replacement Sheet)

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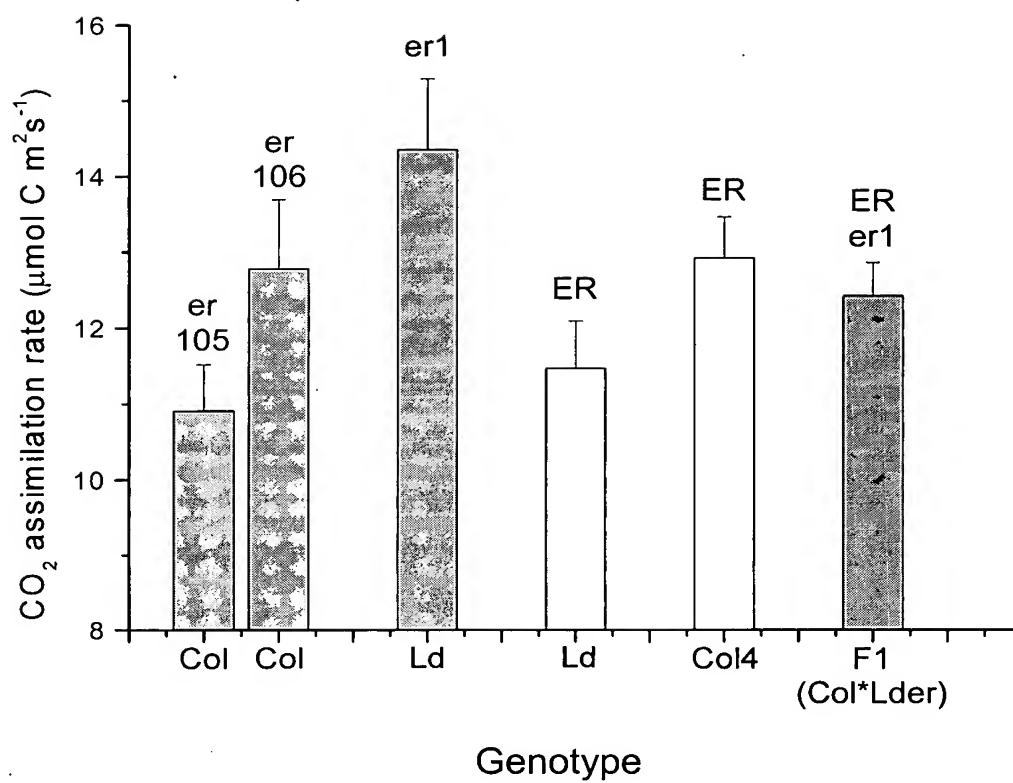


Figure 1a

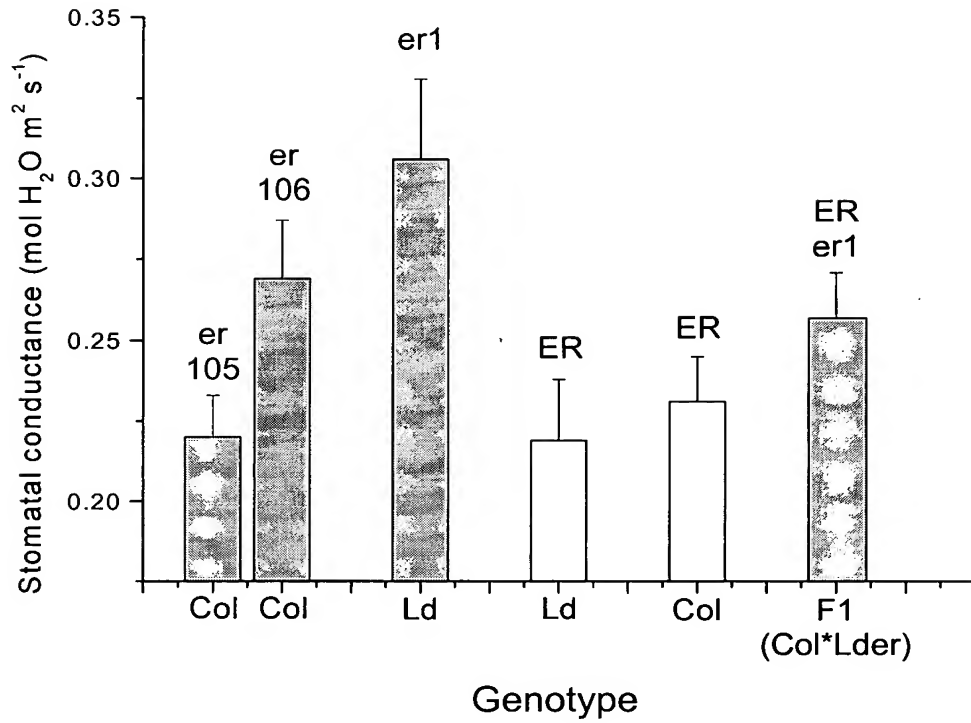


Figure 1b

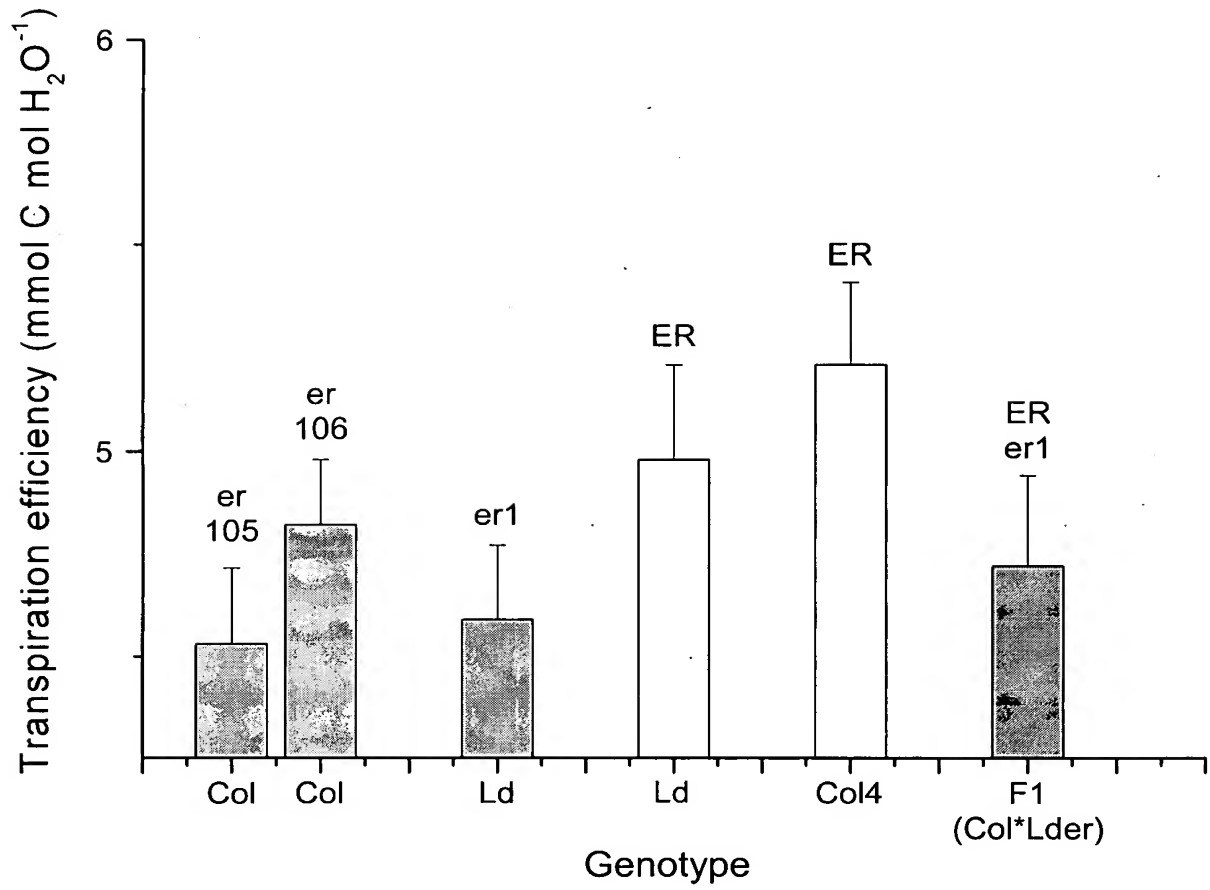


Figure 1c

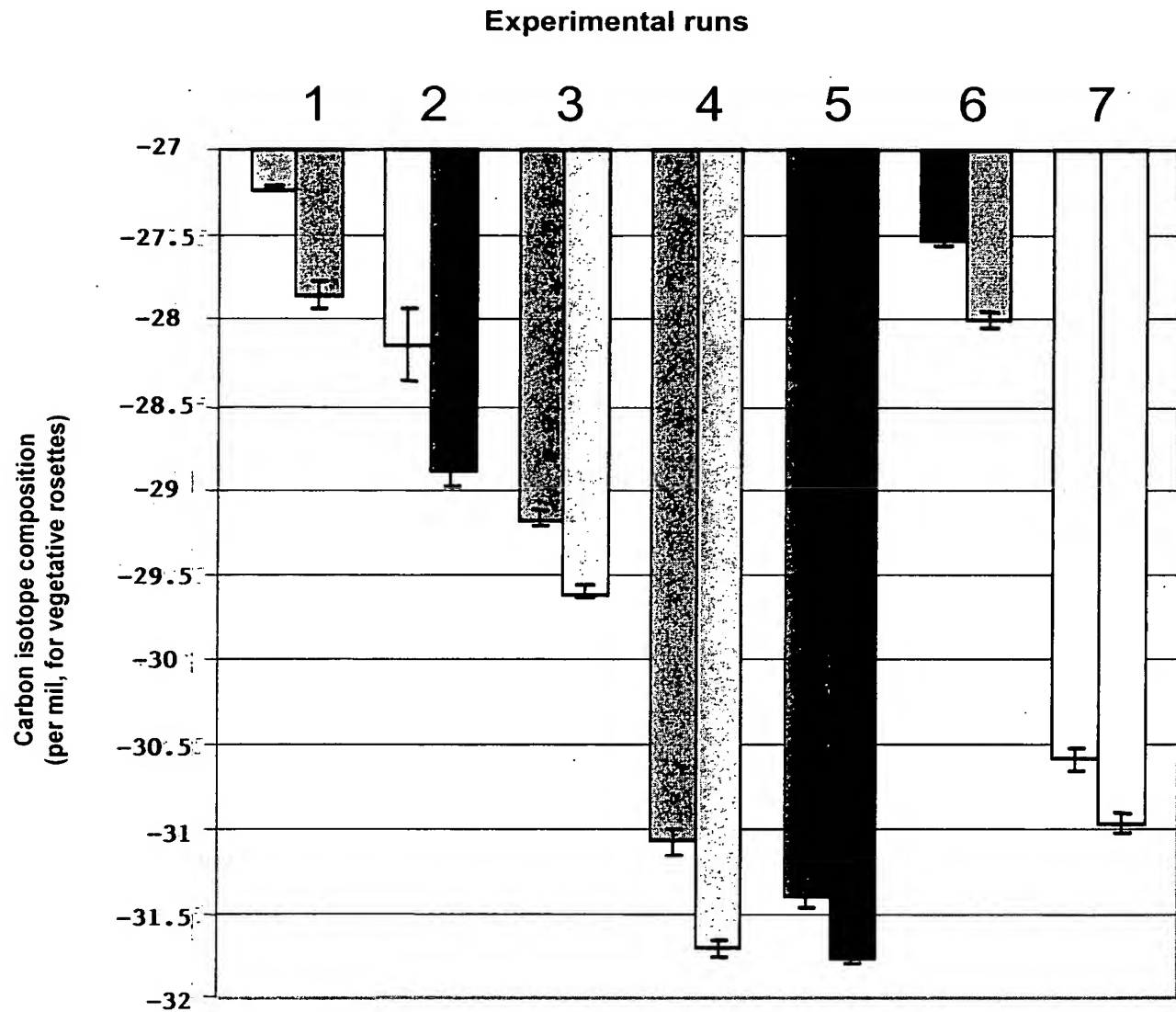


Figure 3

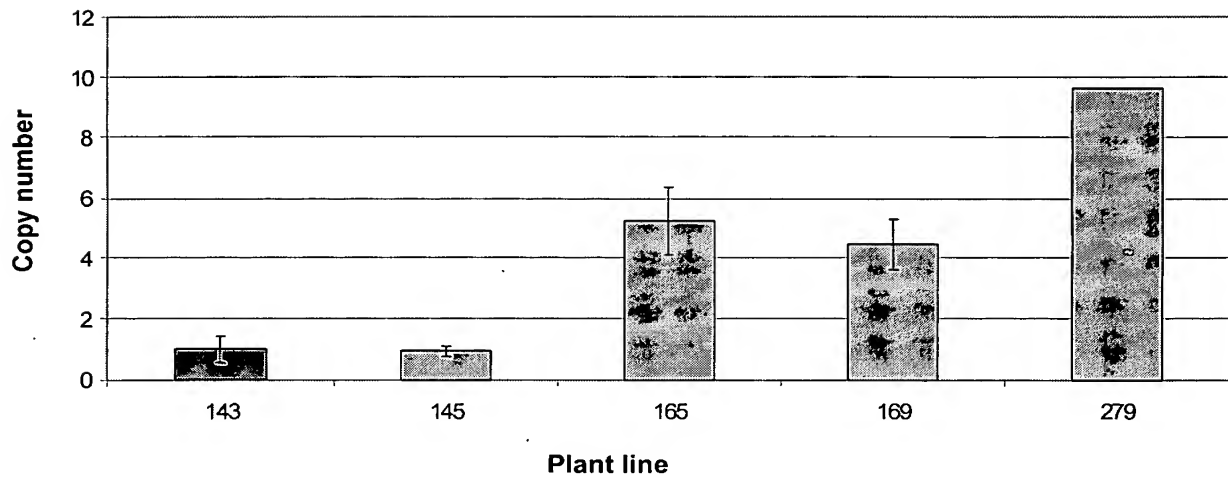


Figure 4a

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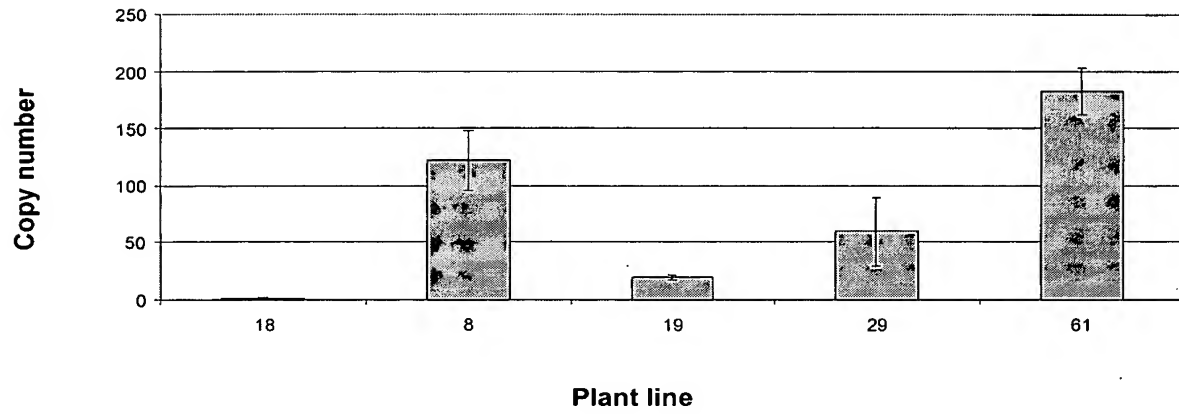


Figure 4b

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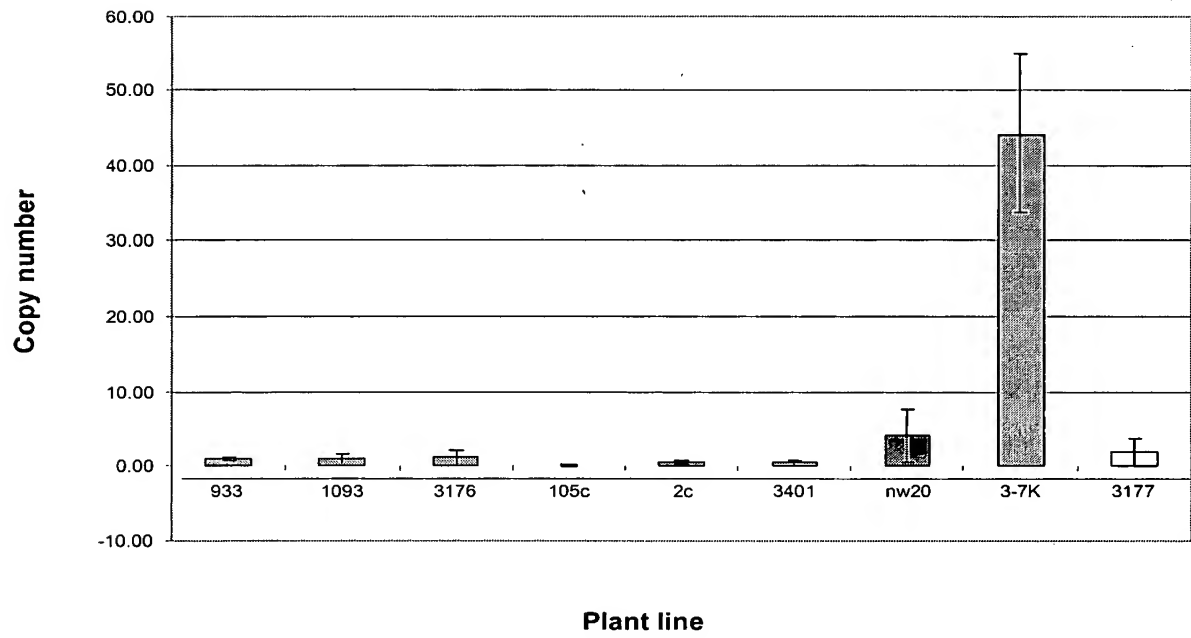


Figure 4c

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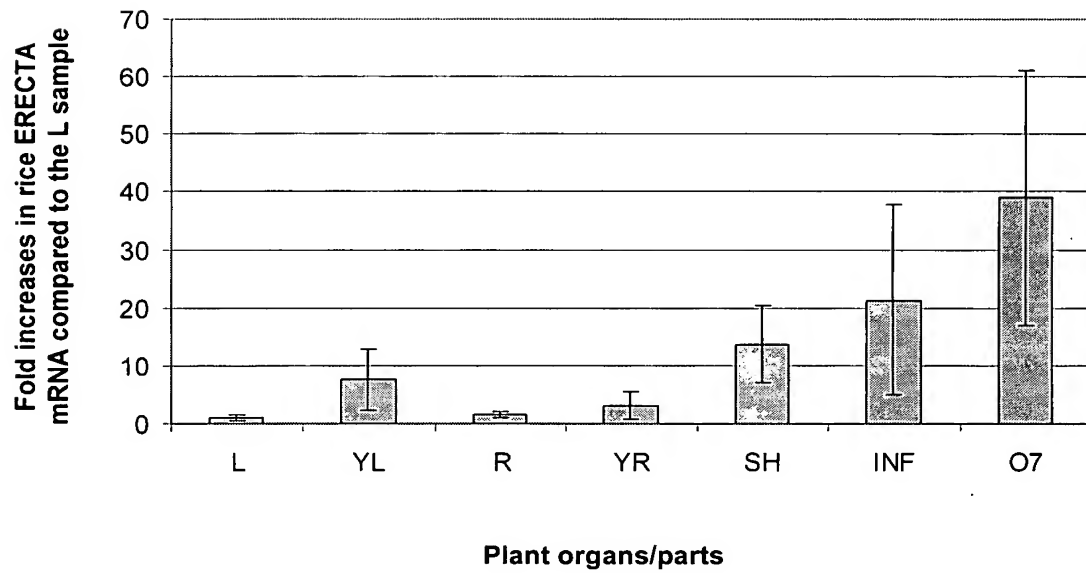


Figure 5a

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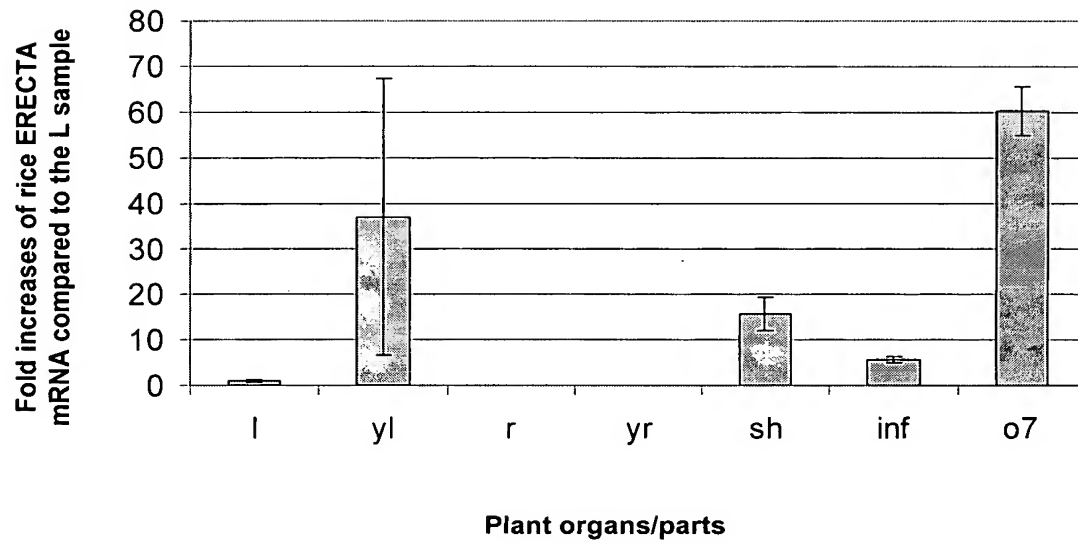


Figure 5b

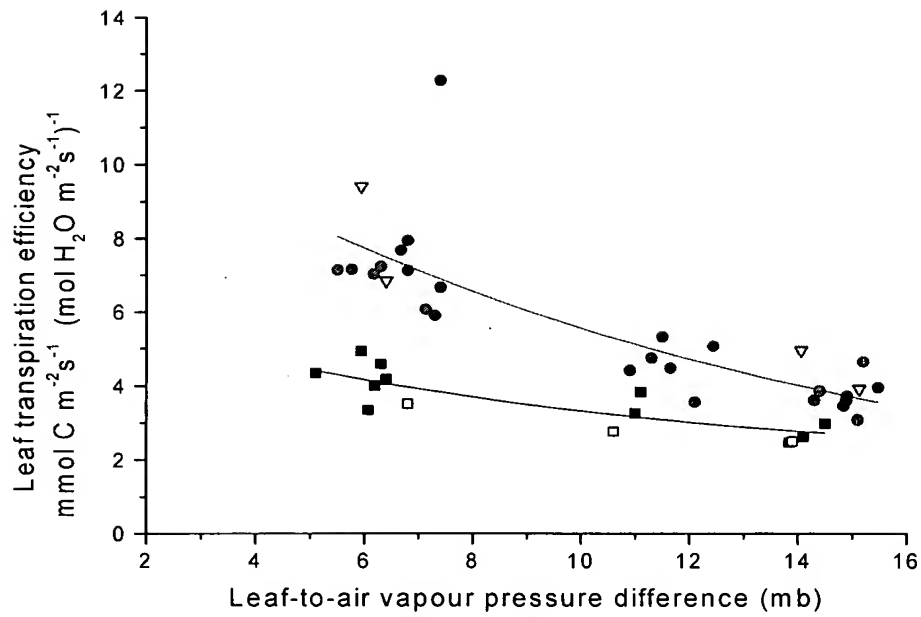


Figure 11

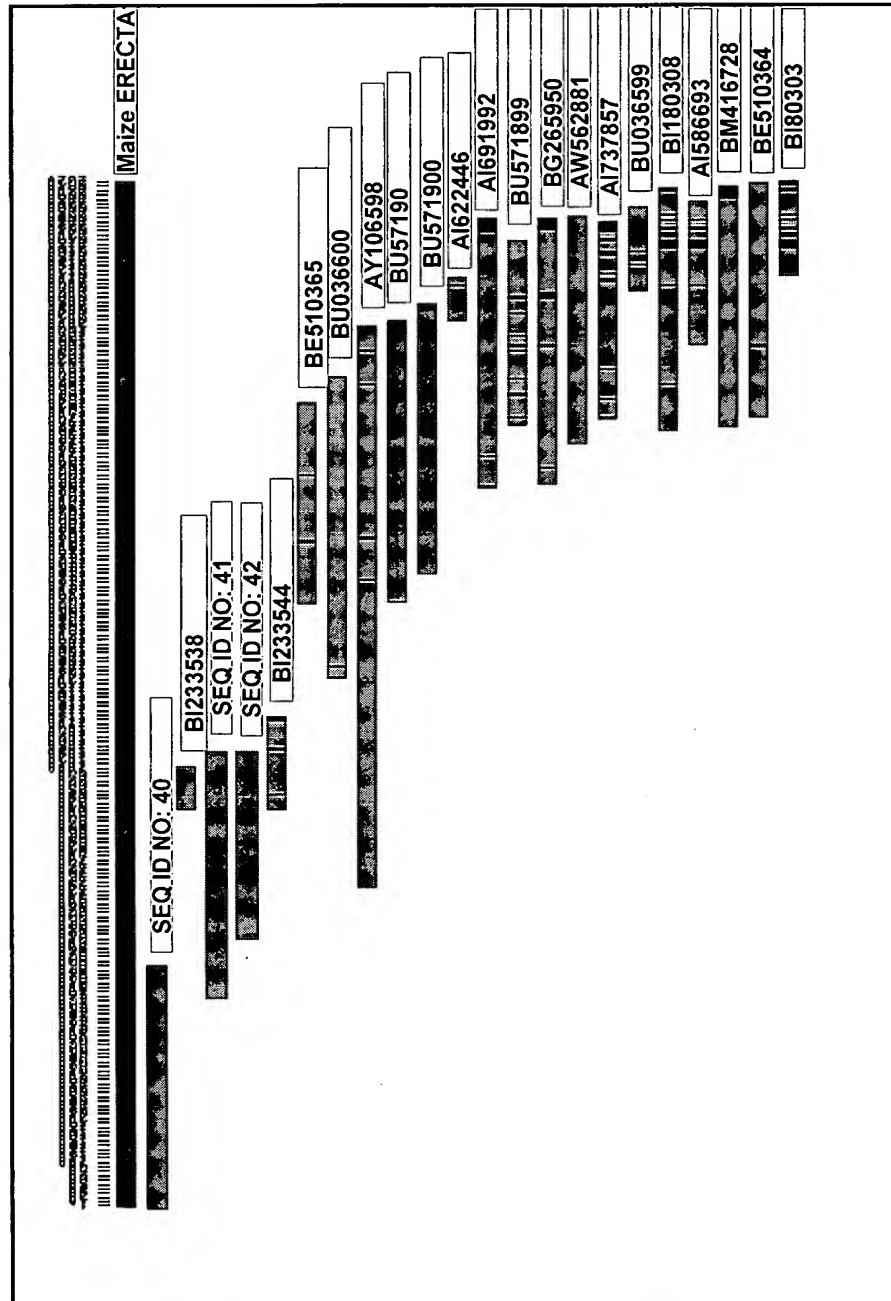


Figure 13

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Erecta_sorghum	---HTTTAARALVALLLVAVAVA-----DQATLVEIKKSTFNVGNVLYDNAG--
Erecta_maize	
Erecta_Arabidopsis	MALEFRDVLGGLFELCLSLVATVTS-----ESGATLLEIKKSTFNVGNVLYDNWTTFP
Erecta_rice	MAAARAFMLAMVVVVVVGVAVAAAGGGGGGGGGGKALMGKAGTGNANALVDMG--
Erecta_wheat	
Erecta_sorghum	-DDYCSWNGVLCNVTFVAAANLSGLALEGEKISPAVGSLKSLVSLDKSNGLSGQIPDE
Erecta_maize	
Erecta_Arabidopsis	SSDYCVWAGVSCENVTFVAVAINLSDLMLDGEISPAIGDLKSLSLIDLGARLSCQIPDE
Erecta_rice	GADHAWKGVTCNNAFVAVLAINLSMLLGGKISPAIGELKSLQFVDLKGRKLTGQIPDE
Erecta_wheat	
Erecta_sorghum	IGDCSSLATLDFEFNNLDGDIFFSISKLNHLENLYLKNQLIGALPSTLSQLENKLTDL
Erecta_maize	
Erecta_Arabidopsis	IGDCSSLATLDFEFNNLDGDIFFSISKLNHLENLYLKNQLIGALPSTLSQLENKLTDL
Erecta_rice	IGDCISLKYLDLSGNLLYDIFFSISKLNHLENLYLKNQLIGALPSTLSQLENKLTDL
Erecta_wheat	
Erecta_sorghum	AQNKLTKGIFALIYWEVLQYL-----DVKNNSLTGVIPDT
Erecta_maize	
Erecta_Arabidopsis	AQNKLTKGIFALIYWEVLQYLGLAGNHLVGNISFDLCQLTGLMYEDVANNSLTGVIPDT
Erecta_rice	AQNKLTKGIFALIYWEVLQYLGLAGNHLVGNISFDLCQLTGLMYEDVANNSLTGVIPDT
Erecta_wheat	
Erecta_sorghum	IGNCTSFQVLDLSYNNFTGPIFFNIGTLQVATLSLQNNKTPGIESVIGLHQAVALDLS
Erecta_maize	
Erecta_Arabidopsis	IGNCTSFQVLDLSYNNFTGPIFFNIGTLQVATLSLQNNKTPGIESVIGLHQAVALDLS
Erecta_rice	IGNCTSFQVLDLSYNNFTGPIFFNIGTLQVATLSLQNNKTPGIESVIGLHQAVALDLS
Erecta_wheat	
Erecta_sorghum	YNQLSGPIPSILGNLYTEKLYIQGNKLTGSIPELGNMSTIHYLELNDNQLTGSIPPEL
Erecta_maize	
Erecta_Arabidopsis	GNLSSGIPPIIGNLTFTEKLYLHNNKLTGSIPELGNMSTIHYLELNDNQLTGSIPPEL
Erecta_rice	ENELVGPISPIIGNLSYTGKLYLHNNKLTGSIPELGNMSTIHYLELNDNQLTGSIPPEL
Erecta_wheat	
Erecta_sorghum	GRLTGLFDLNLANNHLEGPIDNLSGCVNLSNFAVGNKLTGIPISLAKLESMTYLNLS
Erecta_maize	
Erecta_Arabidopsis	GRLTGLFDLNLANNHLEGPIDNLSGCVNLSNFAVGNKLTGIPISLAKLESMTYLNLS
Erecta_rice	GRLTGLFDLNLANNHLEGPIDNLSGCVNLSNFAVGNKLTGIPISLAKLESMTYLNLS
Erecta_wheat	
Erecta_sorghum	SNFTSGSIPFELSRINVLDTLDSGCRGTGPISSIGSLHLLRLANLGNLUGETPAEF
Erecta_maize	
Erecta_Arabidopsis	SNFTSGSIPFELSRINVLDTLDSGCRGTGPISSIGSLHLLRLANLGNLUGETPAEF
Erecta_rice	SNFTSGSIPFELSRINVLDTLDSGCRGTGPISSIGSLHLLRLANLGNLUGETPAEF
Erecta_wheat	
Erecta_sorghum	GNLSVMSIDLSYNHGLGLIPQELHMLQMLHLL
Erecta_maize	
Erecta_Arabidopsis	GNLSVMSIDLSYNHGLGLIPQELHMLQMLHLL
Erecta_rice	
Erecta_wheat	
Erecta_sorghum	NVSYNNLAGVVPADNFTAFSPD-----SFLGNPGLCGYWLSSCRSTG
Erecta_maize	
Erecta_Arabidopsis	NVSYNNLAGVVPADNFTAFSPD-----SFLGNPGLCGYWLSSCRSTG
Erecta_rice	
Erecta_wheat	
Erecta_sorghum	HBEKPPISKAAIIGVAVGSLVLLMLVAVCRPHRPFAPKDVTSKPVNAPPKVILH
Erecta_maize	
Erecta_Arabidopsis	HBEKPPISKAAIIGVAVGSLVLLMLVAVCRPHRPFAPKDVTSKPVNAPPKVILH
Erecta_rice	
Erecta_wheat	
Erecta_sorghum	NMAHNVYDDIRHTENLSEKVIIGYASSVYKCVLAKSGKPAIKALYAHYQSLKEFET
Erecta_maize	
Erecta_Arabidopsis	NMAHNVYDDIRHTENLSEKVIIGYASSVYKCVLAKSGKPAIKALYAHYQSLKEFET
Erecta_rice	
Erecta_wheat	
Erecta_sorghum	ELETVGSIHNRNLVSLQGYSLSPVGNLLFYDYMEGSLMDVLEHGGSSKKKLDWETRLAI
Erecta_maize	
Erecta_Arabidopsis	ELETVGSIHNRNLVSLQGYSLSPVGNLLFYDYMEGSLMDVLEHGGSSKKKLDWETRLAI
Erecta_rice	
Erecta_wheat	
Erecta_sorghum	ALGAAQGLAYLHDCSPRIHROVKSNILDKDYEAHLTDFGIKSLCVSKHTSTYVM
Erecta_maize	
Erecta_Arabidopsis	ALGAAQGLAYLHDCSPRIHROVKSNILDKDYEAHLTDFGIKSLCVSKHTSTYVM
Erecta_rice	
Erecta_wheat	
Erecta_sorghum	GTIGYIDFEYARTSALNEKSDVYS-----LHMCAG-----AAMCQASQRLSKTASHEVMD
Erecta_maize	
Erecta_Arabidopsis	GTIGYIDFEYARTSALNEKSDVYS-----LHMCAG-----AAMCQASQRLSKTASHEVMD
Erecta_rice	
Erecta_wheat	
Erecta_sorghum	TVDPEIGDTCCKDLGEVKLLFQALLCTKQPSDRPTGHEVAVLDCVNVDPPEKPE----
Erecta_maize	
Erecta_Arabidopsis	TVDPEIGDTCCKDLGEVKLLFQALLCTKQPSDRPTGHEVAVLDCVNVDPPEKPE----
Erecta_rice	
Erecta_wheat	
Erecta_sorghum	-----SAYQLQPSFAVPSYIRETVSLAGTGALSCANSTSTSDALELATGEALCONDE
Erecta_maize	
Erecta_Arabidopsis	-----SAYQLQPSFAVPSYIRETVSLAGTGALSCANSTSTSDALELATGEALCONDE
Erecta_rice	
Erecta_wheat	

Figure 14

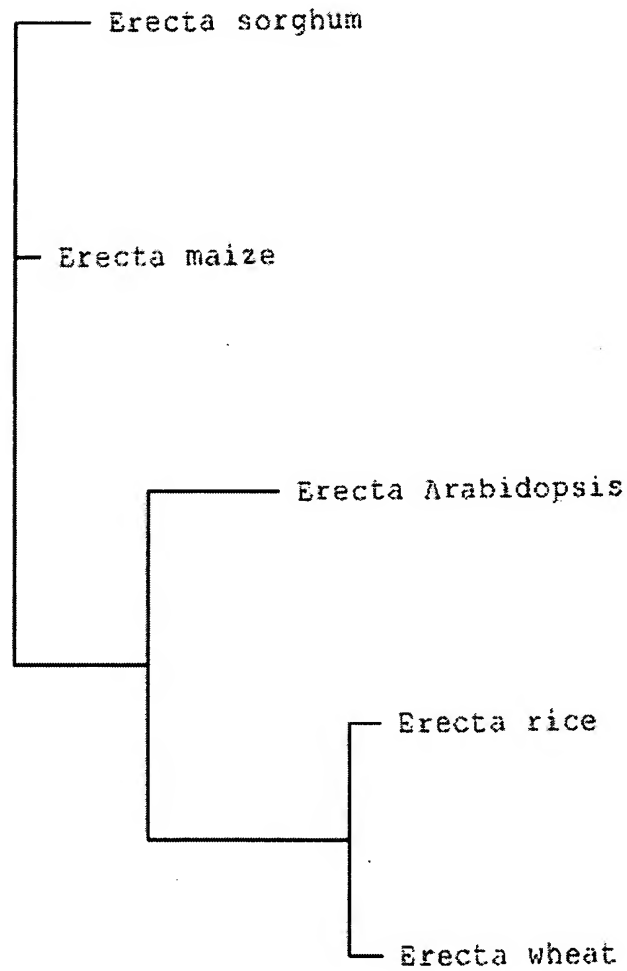


FIGURE 15